

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102423\
 Data File : VW032605.D
 Acq On : 24 Oct 2023 21:20
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005298

Quant Time: Oct 25 05:58:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Oct 25 05:52:45 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	100796	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	113480	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	59548	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	41845	5.105	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.000%
7) Chloroethane-d5	1.532	69	36847	5.537	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	110.800%
11) 1,1-Dichloroethene-d2	2.060	65	17400	5.033	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.600%
20) 2-Butanone-d5	3.818	46	97962	47.240	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.480%
24) Chloroform-d	4.253	84	72673m	5.025	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.600%
26) 1,2-Dichloroethane-d4	4.947	65	37171	5.426	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.600%
32) Benzene-d6	4.963	84	140564	4.210	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.200%
36) 1,2-Dichloropropane-d6	5.992	67	41470	3.748	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	75.000%
41) Toluene-d8	7.246	98	145658	4.770	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.400%
43) trans-1,3-Dichloroprop...	7.558	79	18566	4.736	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.800%
46) 2-Hexanone-d5	8.030	63	90517	49.073	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.140%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	38001	4.911	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.200%
66) 1,2-Dichlorobenzene-d4	11.564	152	51672	4.676	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.600%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	54161	4.822	ug/L	99
3) Chloromethane	1.214	50	53421	4.718	ug/L	99
5) Vinyl chloride	1.282	62	54911	5.084	ug/L	97
6) Bromomethane	1.487	94	30376	4.656	ug/L	96
8) Chloroethane	1.548	64	36163	5.562	ug/L	100
9) Trichlorofluoromethane	1.712	101	76506	5.907	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	41778	5.324	ug/L	99
12) 1,1-Dichloroethene	2.069	96	39191	5.302	ug/L	94
13) Acetone	2.143	43	77187	48.293	ug/L	99
14) Carbon disulfide	2.240	76	108786	4.210	ug/L	99
15) Methyl Acetate	2.388	43	15863	4.409	ug/L	97
16) Methylene chloride	2.446	84	43994	4.565	ug/L	94
17) Methyl tert-butyl Ether	2.706	73	101015	5.019	ug/L	98
18) trans-1,2-Dichloroethene	2.693	96	39338	4.646	ug/L	98
19) 1,1-Dichloroethane	3.114	63	76776	4.820	ug/L	100
21) 2-Butanone	3.899	43	115691	46.287	ug/L	99
22) cis-1,2-Dichloroethene	3.815	96	43994	4.825	ug/L	97
23) Bromochloromethane	4.153	128	20165	5.257	ug/L	94
25) Chloroform	4.281	83	82721	5.293	ug/L	100

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27) 1,2-Dichloroethane	5.047	62	52040	5.636	ug/L	99
29) 1,1,1-Trichloroethane	4.513	97	68768	4.457	ug/L	97
30) Cyclohexane	4.584	56	57932	3.417	ug/L	98
31) Carbon tetrachloride	4.738	117	58992	4.519	ug/L	98
33) Benzene	5.011	78	172674	4.322	ug/L	100
34) Trichloroethene	5.834	95	43918	4.027	ug/L	96
35) Methylcyclohexane	6.050	83	65165	3.861	ug/L	96
37) 1,2-Dichloropropane	6.095	63	45436	4.252	ug/L	99
38) Bromodichloromethane	6.436	83	57914	4.562	ug/L	98
39) cis-1,3-Dichloropropene	6.957	75	69054	4.541	ug/L	99
40) 4-Methyl-2-pentanone	7.162	43	311339	46.044	ug/L	97
42) Toluene	7.317	91	206850	4.857	ug/L	97
44) trans-1,3-Dichloropropene	7.584	75	57294	4.585	ug/L	99
45) 1,1,2-Trichloroethane	7.773	97	37021	4.912	ug/L	98
47) Tetrachloroethene	7.905	164	38548	4.660	ug/L	99
48) 2-Hexanone	8.079	43	224601	47.079	ug/L	99
49) Dibromochloromethane	8.178	129	41239	5.255	ug/L	91
50) 1,2-Dibromoethane	8.284	107	34310	4.813	ug/L	96
51) Chlorobenzene	8.815	112	130129	4.745	ug/L	98
52) Ethylbenzene	8.950	91	219568	4.630	ug/L	100
53) m,p-Xylene	9.075	106	84578	4.808	ug/L	99
54) o-Xylene	9.481	106	79044	4.664	ug/L	96
55) Styrene	9.497	104	140780	4.918	ug/L	94
57) 1,1,2,2-Tetrachloroethane	10.182	83	45043	5.431	ug/L	98
59) Bromoform	9.667	173	21212	4.899	ug/L	97
60) Isopropylbenzene	9.870	105	219450	4.742	ug/L	99
61) 1,2,3-Trichloropropane	10.214	75	30909	4.877	ug/L	98
62) 1,3,5-Trimethylbenzene	10.481	105	173862	4.609	ug/L	97
63) 1,2,4-Trimethylbenzene	10.854	105	177437	4.725	ug/L	99
64) 1,3-Dichlorobenzene	11.120	146	104945	4.747	ug/L	98
65) 1,4-Dichlorobenzene	11.210	146	104998	4.734	ug/L	97
67) 1,2-Dichlorobenzene	11.580	146	95948	4.758	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.368	75	6895	5.324	ug/L	91
69) 1,3,5-Trichlorobenzene	12.587	180	72733	4.492	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	59957	4.175	ug/L	99
71) Naphthalene	13.442	128	100209	4.108	ug/L	99
72) 1,2,3-Trichlorobenzene	13.683	180	55997	4.525	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

